

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG123022\  
 Data File : BG056167.D  
 Acq On : 30 Dec 2022 12:21  
 Operator : CG/JU  
 Sample : PB149979BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

PB149979BS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 01/03/2023

Supervised By :Yogesh Patel 01/03/2023

Quant Time: Dec 31 00:15:38 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Dec 28 05:20:14 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.335  | 152  | 44567    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.167 | 136  | 169555   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.945 | 164  | 144782   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.677 | 188  | 392945   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.978 | 240  | 381409   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.433 | 264  | 418825   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.856  | 112  | 380495   | 152.438 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.472  | 99   | 534360   | 139.402 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.510  | 82   | 283879   | 85.641  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.426 | 330  | 259931   | 141.757 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.576 | 172  | 938561   | 89.518  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.251 | 244  | 1989003  | 93.401  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.670  | 88   | 42414    | 37.202  | ng    | # 96     |
| 3) Pyridine                   | 4.087  | 79   | 116323   | 33.499  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.999  | 42   | 30826    | 43.640  | ng    | # 97     |
| 6) Aniline                    | 7.648  | 93   | 173820   | 34.578  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.895  | 128  | 128713   | 51.820  | ng    | 93       |
| 9) Benzaldehyde               | 7.460  | 77   | 70646    | 30.996  | ng    | 94       |
| 10) Phenol                    | 7.501  | 94   | 187404   | 48.208  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.742  | 93   | 114333   | 43.400  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 8.224  | 146  | 144177   | 47.694  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.370  | 146  | 147244   | 48.505  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.700  | 146  | 140943   | 48.119  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.570  | 79   | 124220   | 44.526  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.852  | 45   | 20507    | 44.050  | ng    | 98       |
| 17) 2-Methylphenol            | 8.764  | 107  | 127286   | 44.623  | ng    | 98       |
| 18) Hexachloroethane          | 9.434  | 117  | 44988    | 48.784  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 9.140  | 70   | 92081    | 39.504  | ng    | 97       |
| 20) 3+4-Methylphenols         | 9.093  | 107  | 175021   | 43.641  | ng    | 98       |
| 22) Acetophenone              | 9.164  | 105  | 205525   | 42.870  | ng    | # 98     |
| 24) Nitrobenzene              | 9.551  | 77   | 140041   | 42.631  | ng    | 98       |
| 25) Isophorone                | 10.074 | 82   | 277259   | 39.754  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.268 | 139  | 76739    | 45.658  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.309 | 122  | 145594   | 47.494  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.550 | 93   | 156464   | 43.164  | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.803 | 162  | 165022   | 48.692  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 11.026 | 180  | 178420   | 46.391  | ng    | 95       |
| 31) Naphthalene               | 11.220 | 128  | 389389   | 43.637  | ng    | 99       |
| 32) Benzoic acid              | 10.439 | 122  | 104273   | 45.844  | ng    | 96       |
| 33) 4-Chloroaniline           | 11.314 | 127  | 100031   | 23.479  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.496 | 225  | 130595   | 47.212  | ng    | 95       |
| 35) Caprolactam               | 12.078 | 113  | 50020m   | 43.592  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.407 | 107  | 159194   | 46.291  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.801 | 142  | 313130   | 41.559  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 13.018 | 142  | 289702   | 41.405  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.159 | 216  | 243916   | 44.950  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 13.135 | 237  | 342637   | 110.752 | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.388 | 196  | 169531   | 47.247  | ng    | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.459 | 196  | 184990   | 43.583  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.782 | 154  | 475904   | 45.898  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.835 | 162  | 375984   | 45.940  | ng    | 98       |
| 48) 2-Nitroaniline            | 14.023 | 65   | 78423    | 44.973  | ng    | 93       |
| 49) Acenaphthylene            | 14.675 | 152  | 585933   | 43.994  | ng    | 99       |
| 50) Dimethylphthalate         | 14.387 | 163  | 520479   | 44.532  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.510 | 165  | 112928   | 45.345  | ng    | 95       |
| 52) Acenaphthene              | 15.010 | 154  | 444288   | 51.290  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.839 | 138  | 70282    | 29.653  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 15.045 | 184  | 182629   | 102.650 | ng    | 96       |
| 55) Dibenzofuran              | 15.339 | 168  | 632157   | 44.101  | ng    | 97       |
| 56) 4-Nitrophenol             | 15.133 | 139  | 173460   | 95.158  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 15.292 | 165  | 161695   | 46.425  | ng    | 91       |
| 58) Fluorene                  | 15.985 | 166  | 507845   | 44.048  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.556 | 232  | 189582   | 47.569  | ng    | 97       |
| 60) Diethylphthalate          | 15.732 | 149  | 488049   | 44.527  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.967 | 204  | 323939   | 45.023  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.997 | 138  | 104607   | 43.086  | ng    | 96       |
| 63) Azobenzene                | 16.261 | 77   | 364950   | 43.147  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 16.050 | 198  | 119808   | 45.255  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 16.179 | 169  | 475404   | 43.605  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.861 | 248  | 222664   | 44.499  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.984 | 284  | 217001   | 46.483  | ng    | 99       |
| 69) Atrazine                  | 17.113 | 200  | 214453   | 47.462  | ng    | 99       |
| 70) Pentachlorophenol         | 17.325 | 266  | 306307   | 85.415  | ng    | 99       |
| 71) Phenanthrene              | 17.724 | 178  | 900581   | 44.225  | ng    | 99       |
| 72) Anthracene                | 17.812 | 178  | 918237   | 43.712  | ng    | 99       |
| 73) Carbazole                 | 18.077 | 167  | 796677   | 45.119  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.606 | 149  | 829958   | 47.152  | ng    | 99       |
| 75) Fluoranthene              | 19.710 | 202  | 1163955  | 43.819  | ng    | 100      |
| 77) Benzidine                 | 19.875 | 184  | 479199   | 35.852  | ng    | 99       |
| 78) Pyrene                    | 20.069 | 202  | 1179710  | 43.882  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.932 | 149  | 353515   | 45.836  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.955 | 228  | 1188842  | 44.378  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.855 | 252  | 308562   | 31.997  | ng    | 96       |
| 83) Chrysene                  | 22.031 | 228  | 1122302  | 44.725  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.825 | 149  | 511533   | 46.036  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 23.112 | 149  | 877251   | 46.766  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.416 | 276  | 1421223  | 46.659  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 24.328 | 252  | 1279825  | 48.095  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.399 | 252  | 1241600  | 46.855  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.268 | 252  | 1115542  | 42.980  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.481 | 278  | 1195191  | 46.802  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.674 | 276  | 1153048  | 46.560  | ng    | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

